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(74) Agent: RICKER, Mathias; Jones Day, Prinzregenten-
strasse 11, 80538 München (DE).

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(71) Applicant (for all designated States except US): HTE
AKTIENGESELLSCHAFT THE HIGH THROUGH-
PUT EXPERIMENTATION COMPANY [DE/DE];
Kurpfalzring 104, 69123 Heidelberg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): STICHERT, Wol-
fram [DE/DE]; Bruchhäuser Weg 4, 69124 Heidelberg
(DE). KLEIN, Jens [DE/DE]; Bruchhäuser Weg 12, 69124
Heidelberg (DE). SCHUNK, Stephan, Andreas [DE/DE];
Kaiserstrasse 59, 69115 Heidelberg (DE). DEMUTH,
Dirk [DE/DE]; Zum Wörth 32, 69190 Walldorf (DE).
SUNDERMANN, Andreas [DE/DE]; Mönchhofstrasse
3c, 69120 Heidelberg (DE). GALLEI, Ewald [DE/DE];
August-Bebel-Strasse 48, 68519 Viernheim (DE). HIBST,
Hartmut [DE/DE]; Branichstrasse 23, 69198 Schriesheim
(DE). STORCK, Sebastian [DE/DE]; Uhlandstrasse 37a,
68167 Mannheim (DE).

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(54) Title: SILVER-CONTAINING CATALYSTS FOR THE REACTION OF SUBSTRATES WITH C-C-DOUBLE BONDS

(57) Abstract: The present invention relates to a silver-containing catalyst system, which can be applied for the reaction of substrates with at least one C-C-double bond with at least one oxygen-containing or oxygen-supplying component with formation of at least one epoxide. The silver-containing catalyst according to the invention is characterized in that its activity as well as its selectivity is significantly increased with respect to the target product compared with the silver-containing catalysts of the state of the art, as a consequence of the process for the manufacture according to the invention, in which the synthesis of a silver-amine complex is carried out in absence of light and at temperatures below room temperature.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 086 743 A (NIPPON CATALYTIC CHEM IND) 28 March 2001 (2001-03-28) paragraphs '0041! - '0046! paragraphs '0066! - '0073!; tables 1-3 claims; examples claim 11	1-11
Y		10
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Y	column 14, line 30 - column 15, line 60 ----- -/--	10

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

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